PRESS RELEASE

FPT INDUSTRIAL PRESENTS ITS LEADERSHIP IN NATURAL GAS TECHNOLOGIES FOR INDUSTRIAL ENGINES AT VIENNA MOTOR SYMPOSIUM

Turin, May 12, 2017

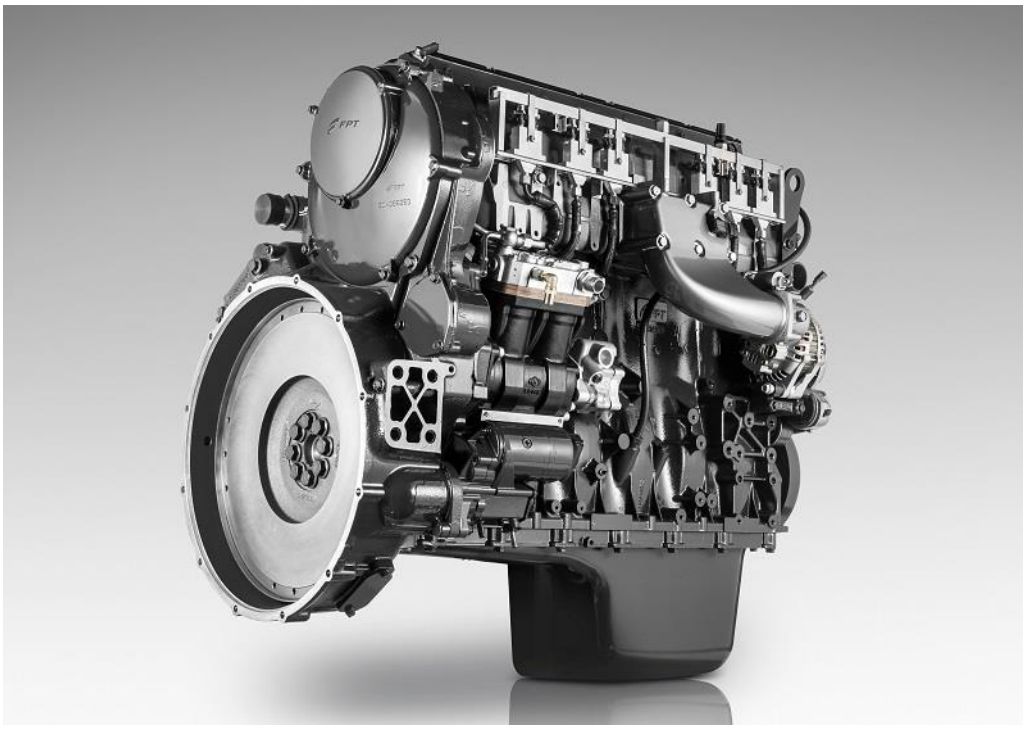
38th Vienna Motor Symposium – Credits @ÖVK/Doris Kucera

The **38th Vienna Motor Symposium** held in Austria at the end of April 2017, was the best dedicated international stage to feature FPT Industrial's leadership in natural gas engine technologies. The event, organized by the Austrian Automobile Association (ÖVK) and the Technical University of Vienna (Institute for Vehicle Drivetrains and Automotive Engineering), gathered **more than 1,000 engine experts and scientists from all over the world** in order to discuss future-oriented developments in petrol, diesel and natural gas engines. FPT Industrial was selected to present its leadership in Natural Gas Technologies for Industrial engines, through a speech given by **Peter Krähenbühl**, Powertrain Innovation Manager at the FPT Industrial R&D center located in Arbon, Switzerland.

Since the '90s FPT Industrial has developed natural gas engines based on a **stoichiometric combustion system**. The main drivers for this technological choice were to offer **ultra-low**

emissions, low noise and high efficiency that are predominantly targeted for urban applications.

FPT Industrial converted its engine base architecture by applying natural gas technology to **F1C**, **NEF 6**, **Cursor 8** and **Cursor 9** engines, offering solutions **from 136 to 400 hp**. Thus, FPT Industrial provides the widest Natural Gas engine range on the market, with a complete line-up for light commercial vehicles, bus and trucks. Among the technologies considered sustainable or alternative to oil, in the commercial vehicles sector, only natural gas has achieved steady growth. Driven by environmental sustainability and reduced Total Cost of Ownership (TCO), natural gas engine technology is expected to grow further. Moreover, FPT Industrial is the only manufacturer with more than 30 years of experience in natural gas with Stoichiometric combustion.



Based on this motivation FPT Industrial used the **38th Vienna Motor Symposium** as a platform to present its Cursor 9 NG engine “case study”: "naturally powerful." The Cursor 9 NG is the most powerful 9 liter NG engine and it is aimed at long haul transport with equivalent performance of a comparable diesel engine. The performance increased by 20 – 30% while the fuel efficiency was improved by 1.5% maintaining the excellent NOx and PM emissions of the stoichiometric concept and improving maintenance interval. Cursor 9 NG can be powered by natural gas in its compressed (CNG), liquefied (LNG) or renewable form (bio-methane). The CO2 emissions can be close to zero by using bio-methane.

Cursor 9 NG Specifications

Cylinders:	6 inline
Displacement:	8.7 l
Max Power [hp / kW]:	400 / 294
Max Torque [Nm]:	1,700
Weight [kg]:	870
Power/Weight ratio [hp / kg]:	0.46
Power density [hp / l]:	45.98
Torque density [Nm / l]:	195
Durability [km]:	800,000
Maintenance intervals [km]:	75,000

FPT Industrial *is a brand of CNH Industrial, dedicated to the design, production and sale of powertrains for on and off-road vehicles, marine and power generation applications. The company employs more than 8,000 people worldwide, in ten manufacturing plants and seven R&D Centres. The FPT Industrial sales network consists of 93 dealers and over 900 service centres in almost 100 countries. A wide product offering, including six engine ranges from 42 hp up to 1,006 hp, transmissions with maximum torque of 200 Nm up to 500 Nm, front and rear axles from 2 to 32 ton GAW (Gross Axle Weight) and a close focus on R&D activities make FPT Industrial a world leader in industrial powertrains. For further information, visit www.fptindustrial.com.*

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